

<"Terminal with locking mechanism" Detaching points>

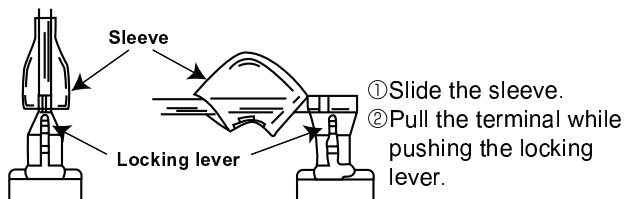
The terminal which has the locking mechanism can be detached as shown below.

There are two types (refer to (1) and (2)) of the terminal with locking mechanism.

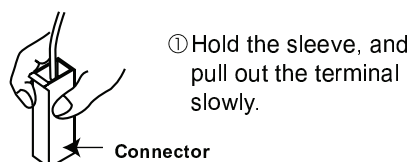
The terminal without locking mechanism can be detached by pulling it out.

Check the shape of the terminal before detaching.

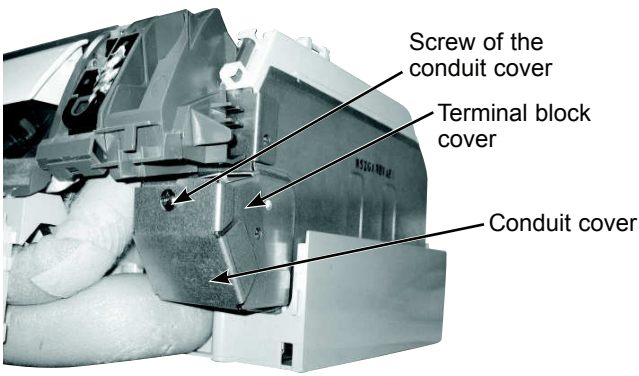
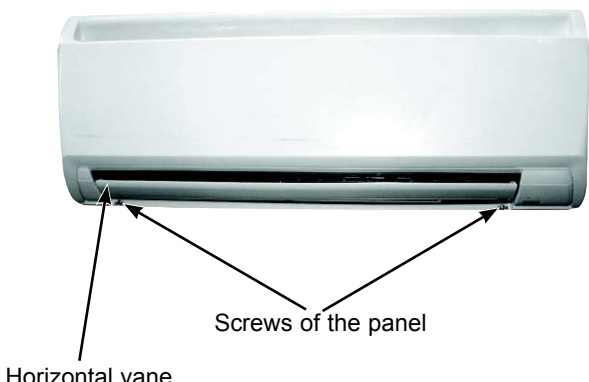
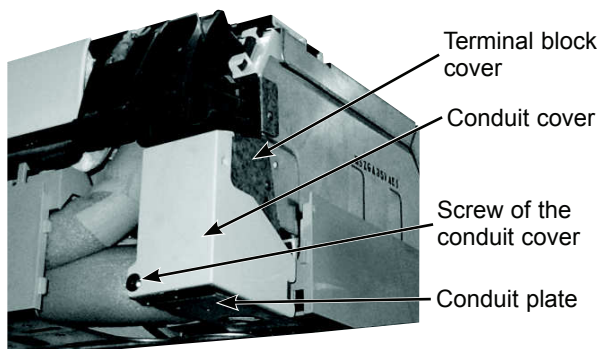
(1) Slide the sleeve and check if there is a locking lever or not.



(2) The terminal with this connector has the locking mechanism.



9-1. MSZ-A09NA MSZ-A12NA MSZ-A15NA MSZ-A17NA MSY-A15NA MSY-A17NA

OPERATING PROCEDURE	PHOTOS
<p>1. Removing the panel</p> <p>(1) Remove the horizontal vane.</p> <p>(2) Remove the screw caps of the panel. Remove the screws. (Photo 1)</p> <p>(3) Hold the lower part of both ends on the panel and pull it slightly toward you, and then remove the panel by pushing it upward.</p> <p>Photo 3</p>  <p>MSZ-A09/12/15/17NA - 1</p> <p>MSY-A15/17NA - 1</p>	<p>Photo 1</p>  <p>Photo 2</p>  <p>MSZ-A09/12/15/17NA</p> <p>MSY-A15/17NA</p>

OPERATING PROCEDURE

2. Removing the electronic control P.C. board, the power monitor receiver P.C. board, SW P.C. board and the terminal block

- (1) Remove the horizontal vane, the panel (refer to 1.) and the corner box.
- (2) Remove the screw of the conduit cover, and conduit cover. (Photo 2 or Photo 3)
- (3) Remove the indoor/outdoor connecting wire.
- (4) Remove the switch holder from the electrical cover. (Photo 4)
- (5) Remove the screw of the electrical cover, and then the electrical cover. (Photo 4)
- (6) Remove the ground wire connected to the indoor electronic control P.C. board from the electrical box. (Photo 5)
- (7) Unhook the power monitor receiver P.C. board holder from the catch. (Photo 4)
- (8) Open the rear cover of the power monitor receiver P.C. board holder and pull out the power monitor receiver P.C. board.
- (9) Open the switch holder and pull out SW P.C. board.
- (10) Pull the electronic control P.C. board slightly toward you from the electrical box, and disconnect TAB3 and all the connectors on the electronic control P.C. board. (LD101 and LD105 are direct-mounted to the electronic control P.C. board.)
- (11) Pull out the electronic control P.C. board from the electrical box.
- (12) Remove the ground wire connected to the heat exchanger from the electrical box. (Photo 5)
- (13) Unhook the catches of the electrical box, and pull out the electrical box.
- (14) Remove the screw of the terminal block cover, and then remove the terminal block cover and the terminal block holder. (Photo 6)
- (15) Remove the terminal block by sliding it.

3. Removing the electrical box

- (1) Remove the horizontal vane, the panel (refer to 1.) and the corner box.
- (2) Remove the screw of Conduit cover, and then the indoor/outdoor connecting wire. (Photo 2 or Photo 3)
- (3) Remove the switch holder and the electrical cover. (Photo 4)
- (4) Remove the ground wire connected to the heat exchanger from the electrical box. (Photo 5)
- (5) Disconnect the following connectors on the electronic control P.C. board: the fan motor connector <CN211>, the indoor coil thermistor connector <CN112>, the vane motor connector <CN151>. (Photo 5)
- (6) Unhook the catches of the electrical box, and pull out the electrical box.

PHOTOS

Photo 4

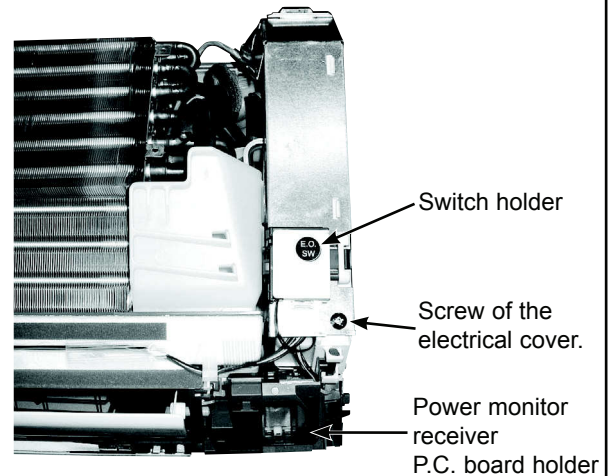


Photo 5

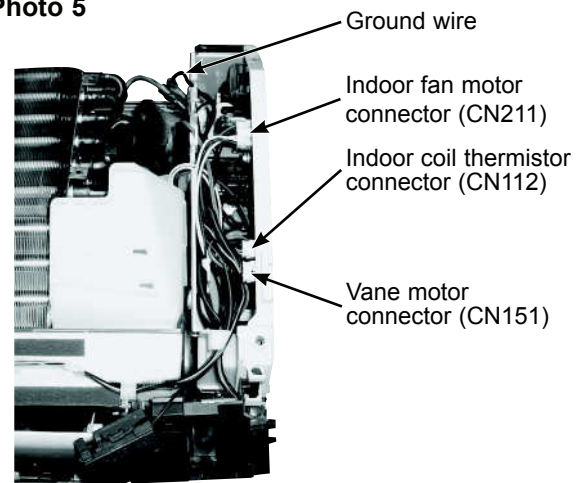
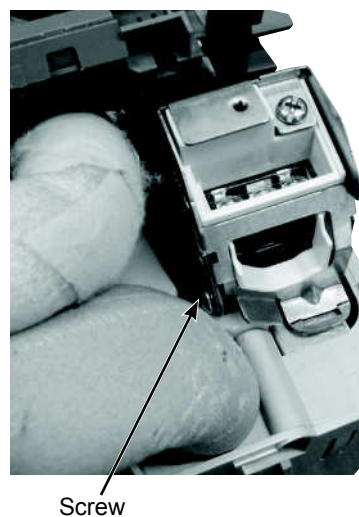
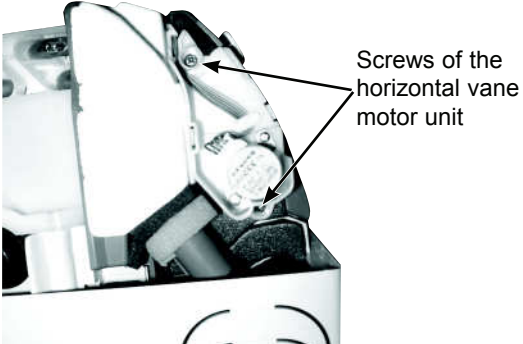
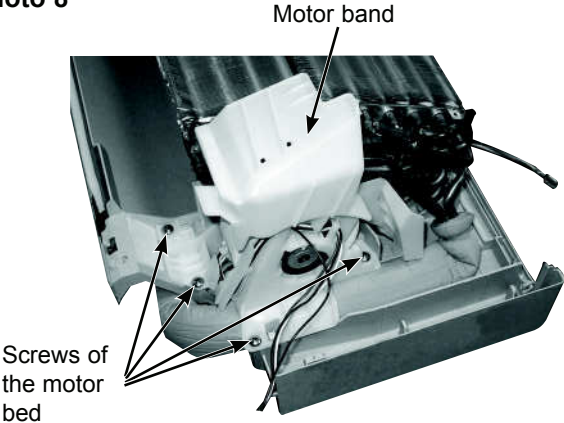
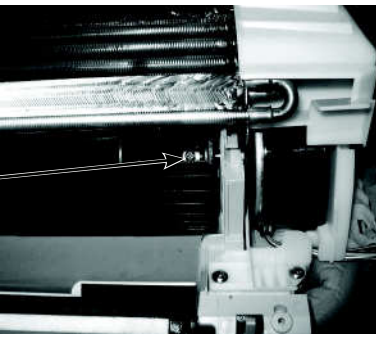
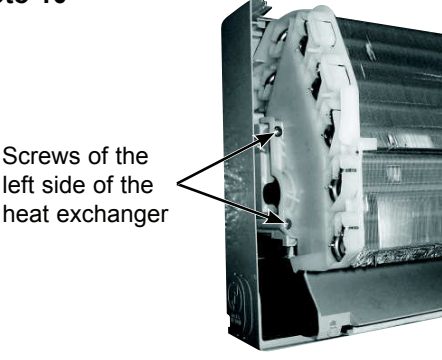
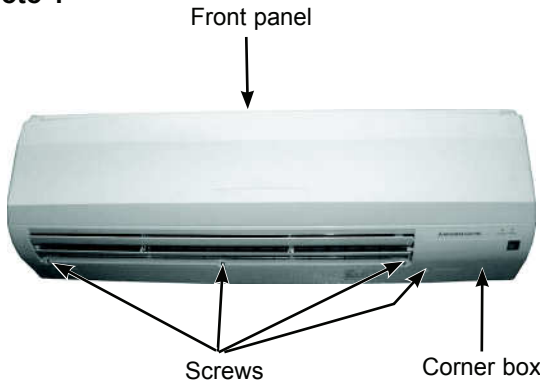
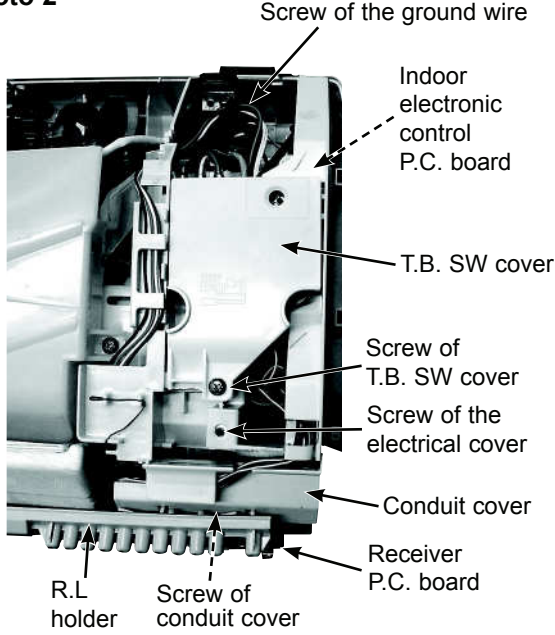
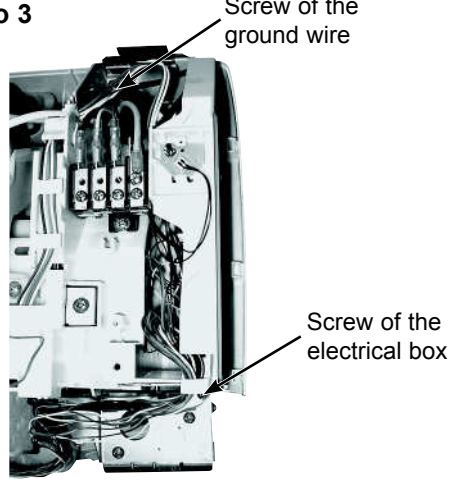


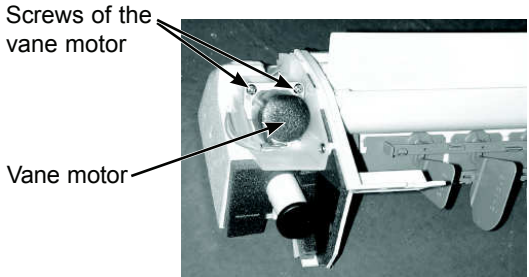
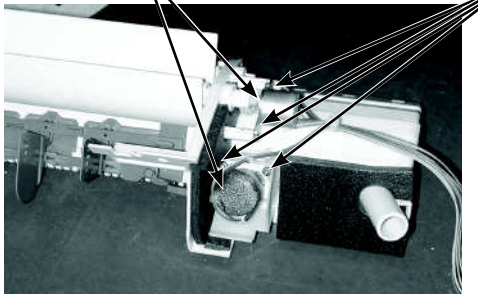
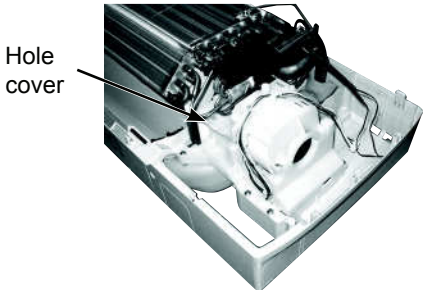
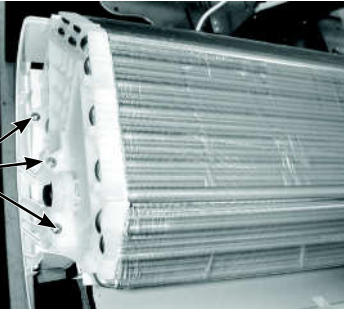
Photo 6



OPERATING PROCEDURE	PHOTOS
<p>4. Removing the horizontal vane motor unit</p> <p>(1) Remove the horizontal vane, the panel (refer to 1.) and the corner box.</p> <p>(2) Remove the screws of the horizontal vane motor unit, and pull out the horizontal vane motor unit. (Photo 7)</p> <p>(3) Disconnect the connector from the horizontal vane motor unit.</p>	<p>Photo 7</p> 
<p>5. Removing the indoor fan motor and the line flow fan</p> <p>(1) Remove the horizontal vane, the panel (refer to 1.) and the corner box.</p> <p>(2) Remove the switch holder and the electrical box. (Refer to 3.)</p> <p>(3) Remove the drain hose from the nozzle assembly, and remove the nozzle assembly.</p> <p>(4) Remove the screws fixing the motor bed. (Photo 8)</p> <p>(5) Loosen the screw fixing the line flow fan. (Photo 9)</p> <p>(6) Remove the motor bed together with fan motor and motor band.</p> <p>(7) Release the hooks of the motor band, and remove the motor band then pull out the indoor fan motor.</p> <p>(8) Remove the screws fixing the left side of the heat exchanger. (Photo 10)</p> <p>(9) Lift the heat exchanger, and pull out the line flow fan to the lower-left.</p>	<p>Photo 8</p>  <p>Photo 9</p>  <p>Photo 10</p> 

9-2. MSZ-A24NA MSY-A24NA MSZ-GA24NA MSY-GA24NA

OPERATING PROCEDURE	PHOTOS
<p>1. Removing the front panel</p> <ol style="list-style-type: none"> (1) Remove the screw caps of the front panel. Remove the screws. (2) Pull the panel down to your side slightly and unhook the catches at the top. 	<p>Photo 1</p>  <p>Front panel</p> <p>Screws</p> <p>Corner box</p>
<p>2. Removing the electronic control P.C. board, the receiver P.C. board and the display P.C. board</p> <ol style="list-style-type: none"> (1) Remove the front panel. (Refer to 1.) (2) Remove the corner box (3) Remove the screw of the electrical cover. Remove the electrical cover and T.B. SW cover. (4) Remove the screw of the ground wire, which is solder-mounted to the electronic control P.C. board. (5) Remove the R.L holder. (6) Remove the screw of the conduit cover. (7) Remove the conduit cover. (8) While pulling the electronic control P.C. board forward little by little, disconnect all the connectors from the board. (9) Remove the electronic control P.C. board. (10) Open the R.L holder, remove the receiver P.C. board and the display P.C. board. 	<p>Photo 2</p>  <p>Screw of the ground wire</p> <p>Indoor electronic control P.C. board</p> <p>T.B. SW cover</p> <p>Screw of T.B. SW cover</p> <p>Screw of the electrical cover</p> <p>Conduit cover</p> <p>Receiver P.C. board</p> <p>R.L holder</p> <p>Screw of conduit cover</p>
<p>3. Removing the electrical box</p> <ol style="list-style-type: none"> (1) Remove the front panel. (Refer to 1.) (2) Remove the electrical cover. (Refer to 2.) (3) Disconnect the connector of the indoor coil thermistors. (4) Disconnect the indoor fan motor connector (CN211) and the vane motor connector (CN151 and CN152) on the electronic control P.C. board. (5) Remove the screw of ground wire to the heat exchanger. (6) Remove the fan motor lead wire and indoor coil thermistor from the electrical box. (7) Remove the lead wire of vane motor from the bottom of electrical box. (8) Remove the screw fixing the electrical box and remove the electrical box. 	<p>Photo 3</p>  <p>Screw of the ground wire</p> <p>Screw of the electrical box</p>

OPERATING PROCEDURE	PHOTOS
<p>4. Removing the vane motor</p> <ol style="list-style-type: none"> (1) Remove the front panel. (Refer to 1.) (2) Remove the electrical cover. (Refer to 2.) (3) Remove the lead wire of vane motor. (Refer to 3.) (4) Remove the R.L. holder. (5) Pull out the drain hose from the nozzle assembly and remove the nozzle assembly. (6) Remove the screws of the vane motor and disconnect the connector. (7) Remove the vane motor. <p>Photo 5</p> 	<p>Photo 4</p> 
<p>5. Removing the line flow fan and the indoor fan motor</p> <ol style="list-style-type: none"> (1) Remove the front panel. (Refer to 1.) (2) Remove the electrical box. (Refer to 3.) (3) Remove the drain hose from the nozzle assembly and remove the nozzle assembly. (4) Remove the water cut. (5) Slide the hole cover and remove the hole cover. (6) Remove the hexagon socket set screw from the line flow fan. (7) Remove the screws fixing the motor bed and remove the fan motor. (Be careful not to drop the fan motor because it is heavy.) (8) Remove the screws fixing the left side of the heat exchanger. (9) Lift the left side of the heat exchanger. (10) Remove the line flow fan. <p>Photo 8</p> 	<p>Photo 6</p>  <p>Photo 7</p> 